

The invention includes compositions comprising at least first and second polymers and optionally a third polymer wherein acid subunits, basic subunits and elastomeric subunits are contained in the polymers. In one aspect, the composition comprises a ternary polymer blend comprising an acidic polymer comprising acidic subunits, a basic polymer comprising basic subunits and an elastomeric polymer comprising elastomeric subunits. In an alternate aspect, the composition comprises a binary polymer blend which comprises acidic or basic subunits in one polymer and a copolymer comprising the other of the acidic or basic subunit and an elastomeric subunit. Such polymer compositions may be formed into a membrane having electrochemical properties which permit the use of such a membrane in an electrochemical device.